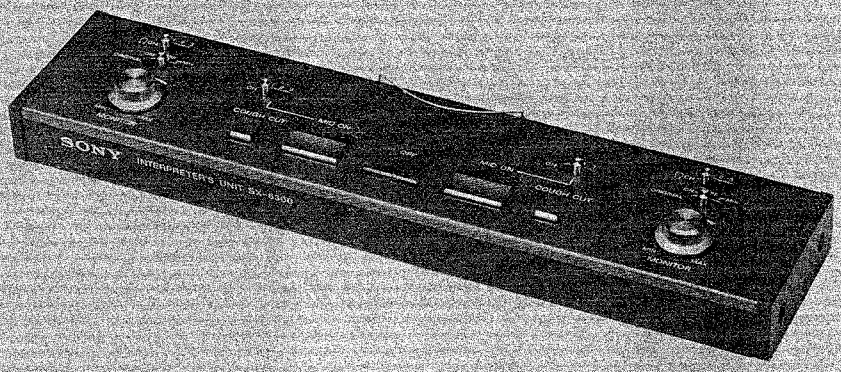
SX-6300

E Model
J Model

Refer to Service Note of SX Series (9-954-954-81) for Circuit description.

回路説明については，SXシリーズのサービスノート（9-954-954-61）を参照してください。



INTERPRETER'S UNIT
(FOR WIRELESS SYSTEM)
通訳者ユニット

SPECIFICATIONS

Dimensions:	310(w) x 28(h) x 70(d) mm 12¼(w) x 1⅛(h) x 2¾(d) inches
Weight:	820 g, 1 lb 13 oz
Microphone Input:	0.77 mV (–60 dB), 2 systems
Headphones Output:	More than 1.5 mW with 4 Ω load, 2 systems
Channels:	3-channel selection
Input Jacks:	Microphone (standard jacks) . . . . . 2 Rated input level: 0.77 mV (–60 dB) For low impedance microphones
Connector:	8-pin connectors 2
Output Jacks:	Headphones (standard jacks) . . . . . 2 Maximum output level: More than 5 mW with volume control at maximum position and 4 Ω load

FEATURES

- This compact and light-weight unit is connected to the SX-1310A/B to compose a portable simultaneous interpretation system.
  Operation is carried out by the simultaneous interpreters.

0 dB = 0.775 V

概　略　仕　様

大きさ	幅310×高さ28×奥行70㎜
重　さ	820g
マイクロホン入力	0.77mV(−60dB)　2系統
ヘッドホン出力	4Ω負荷にて1.5mW以上　2系統
チャンネル	3チャンネル切り換え
入力ジャック	マイクロホン(標準ジャック)……2 規定入力レベル　0.77mV(−60dB) ローインピーダンスマイク用
接続コネクター	8Pコネクター……2
出力ジャック	ヘッドホン(標準ジャック)……2 最大出力レベル　4Ω負荷にてボリューム最大で5mW以上
付属品	接続コード　RK-1006(3m)……1

【概　要】

●小型軽量の通訳者ユニットで，SX-1310A/Bに接続することにより，携帯用の同時通訳システムを構成します。

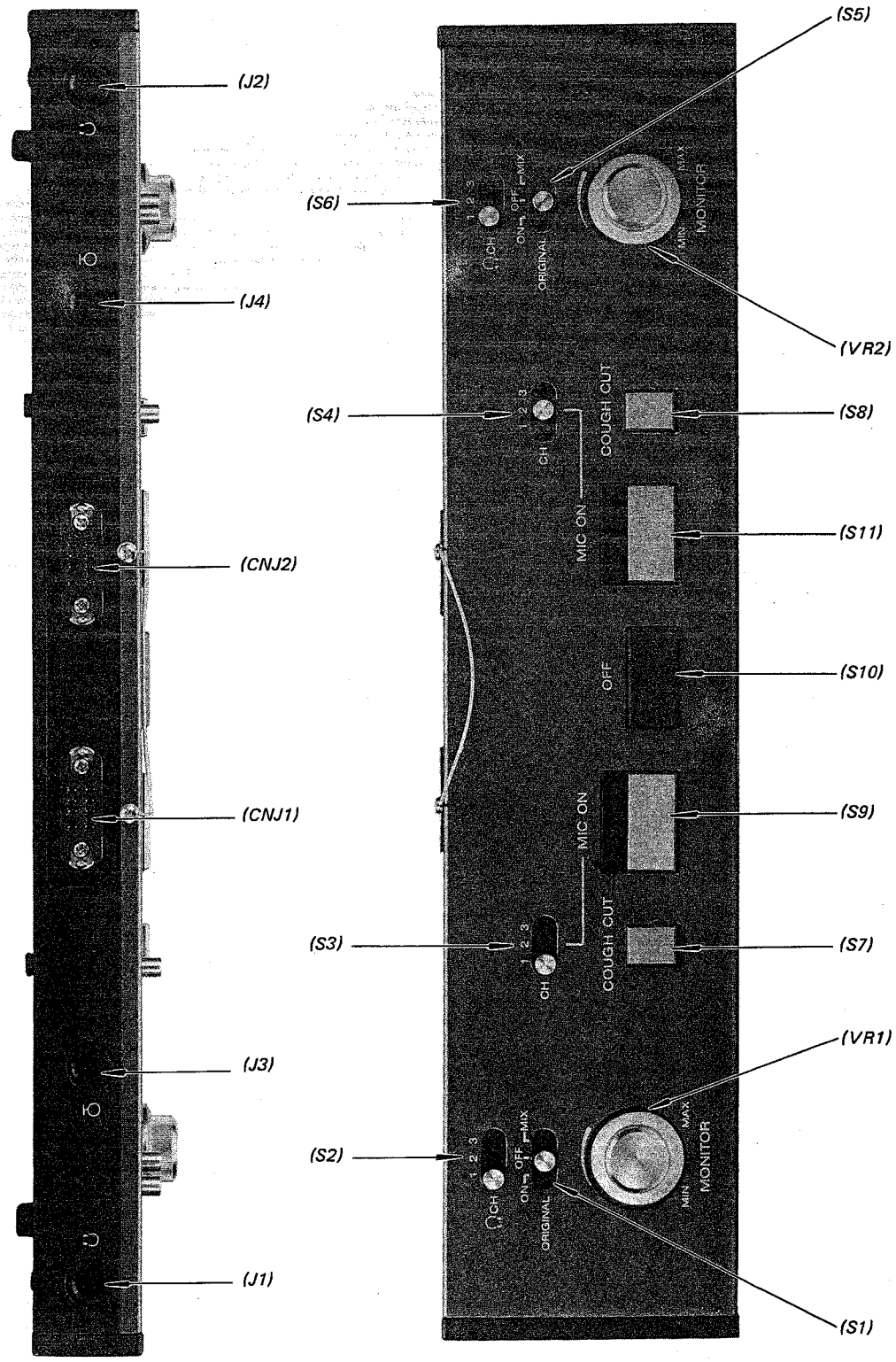
SONY®

SERVICE MANUAL

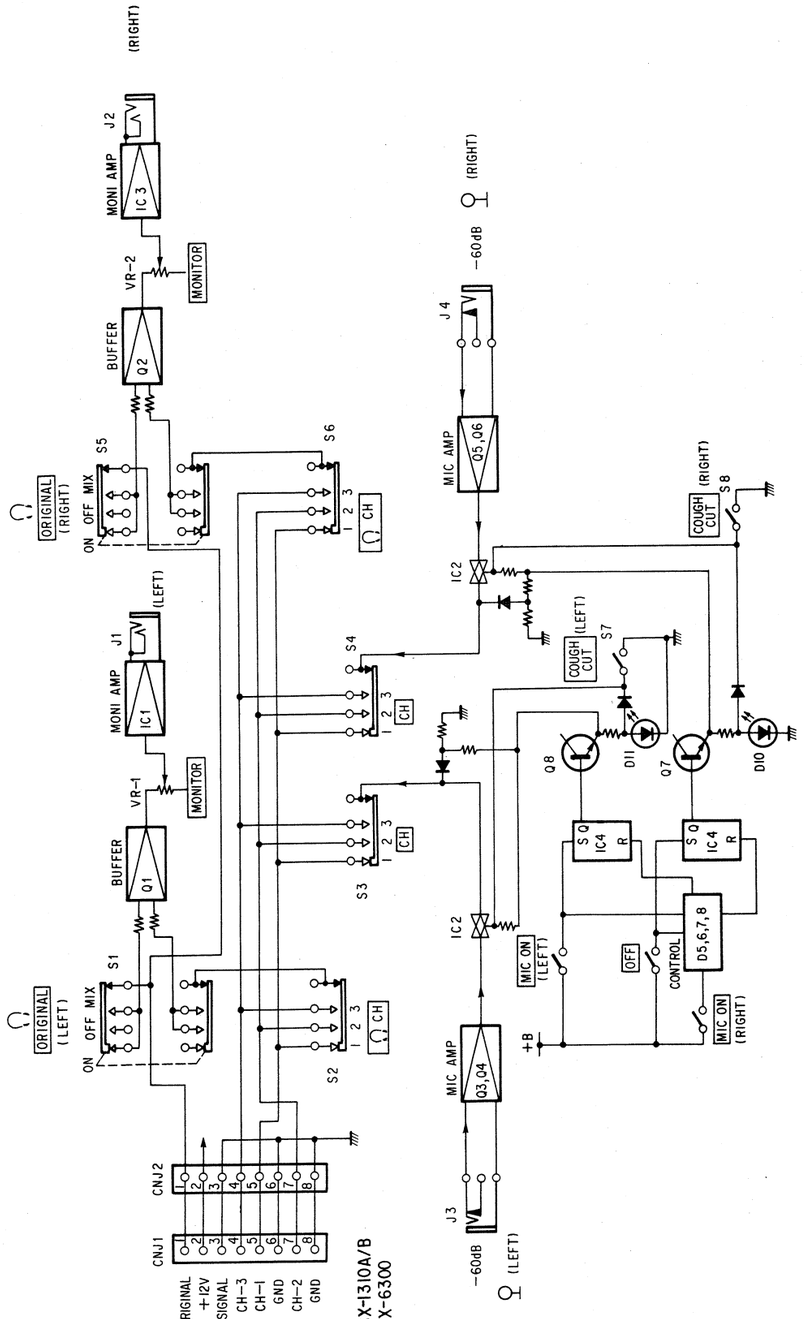
サービスガイド/補修部品表

SECTION 1
OUTLINES

1-1. PARTS LOCATION



1-2. BLOCK DIAGRAM



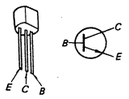
MEMO

SECTION 2
DIAGRAMS

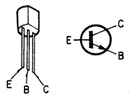
2-1. MOUNTING DIAGRAM
– Conductor Side –

Semiconductors
半導体外形図

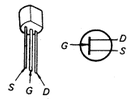
2SC1363
2SC1364



2SC2593

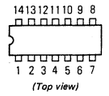


2SK30A

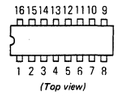


TA7140P

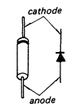
TC4016BP



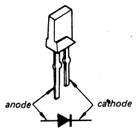
TC4027BP
μPD4027C

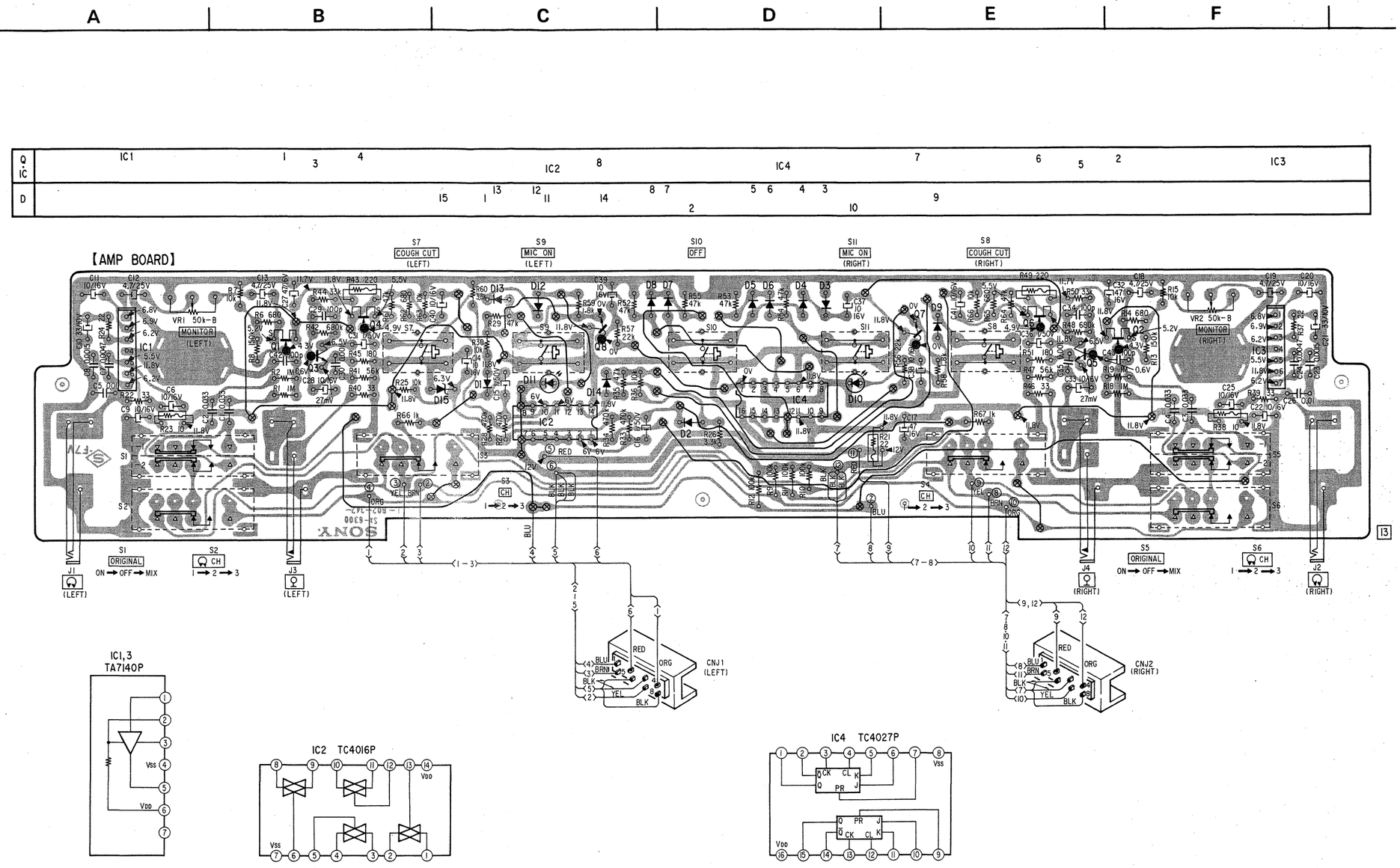


1S1555
1T40
RD6.8E-B



SEL1120R



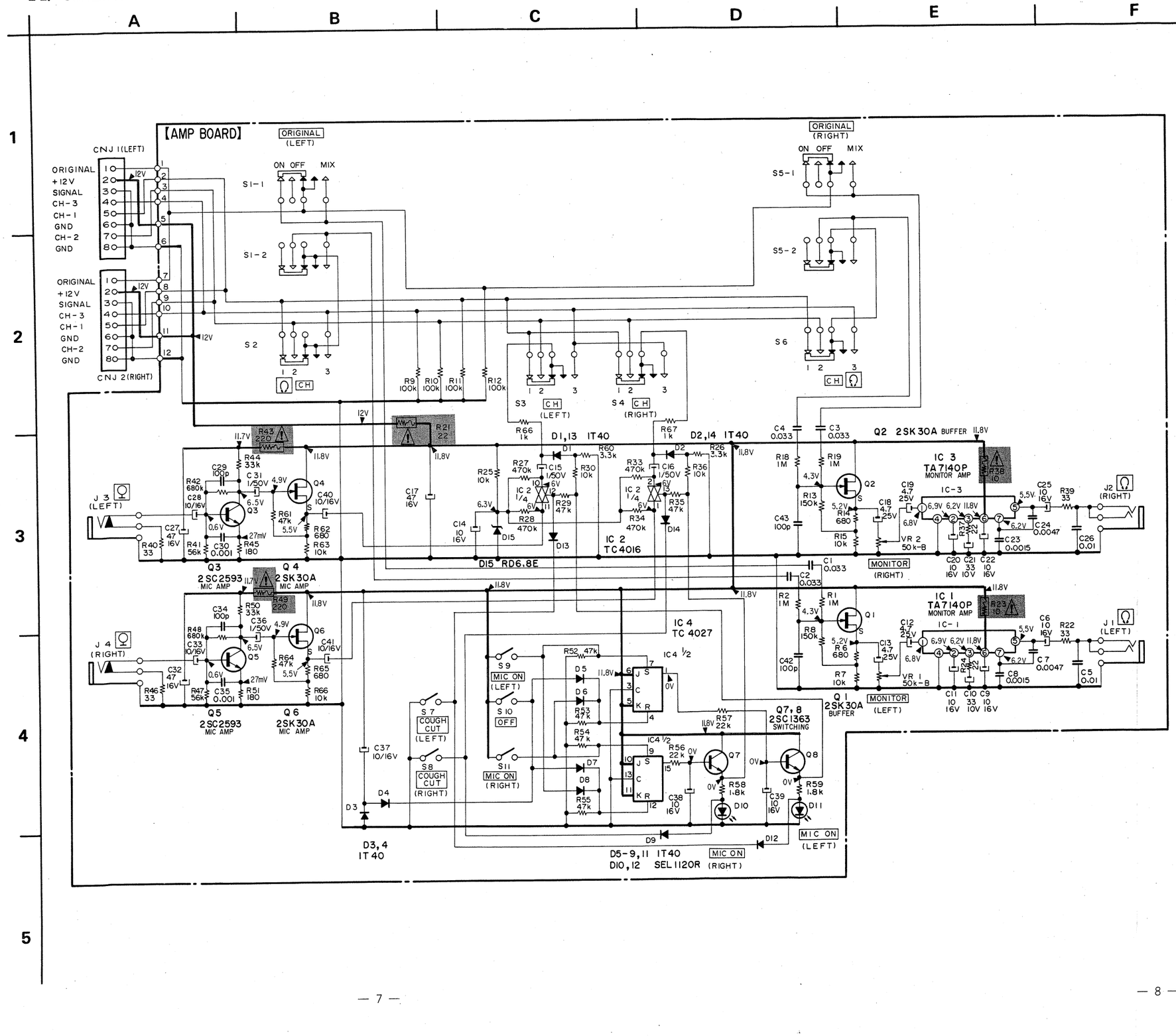


Note:

- ○— : parts extracted from the component side.
- ⊗ : Through hole.
- ▒ : B + pattern

・○— は部品面側取付のリード線。
・⊗印はスルーホール。
・▒はB＋パターン。

2-2. SCHEMATIC DIAGRAM



Note:

- All capacitors are in μF unless otherwise noted. pF : μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms, ¼W unless otherwise noted. kΩ : 1000Ω, MΩ : 1000kΩ
- : fusible resistor.
- : panel designation.
- : B+ bus.
- Readings are taken under no-signal (detuned) conditions with a VOM (20kΩ/V).

・ケミコン，タンタルを除くコンデンサーで，耐圧50V以下のものは，その耐圧を省略。単位はすべてμF(pはpF)。
・抵抗で指示のないものは ¼W。単位はすべてΩ。
・はヒューズ抵抗。
・はパネル表示名称。
・はB＋ライン。
・電圧値は，テスター(DC20kΩ/V)を使用し，対アース間を無信号状態で測定した参考値。

- Switch

Ref. No.	Description	Position
S1	ORIGINAL monitor selector (LEFT)	ON
S2	Channel monitor selector (LEFT)	1
S3	MIC ON selector (LEFT)	1
S4	MIC ON selector (RIGHT)	1
S5	ORIGINAL monitor selector (RIGHT)	ON
S6	Channel monitor selector (RIGHT)	1
S7	COUGH CUT (LEFT)	OFF
S8	COUGH CUT (RIGHT)	OFF
S9	MIC ON (LEFT)	OFF
S10	OFF	OFF
S11	MIC ON (RIGHT)	OFF

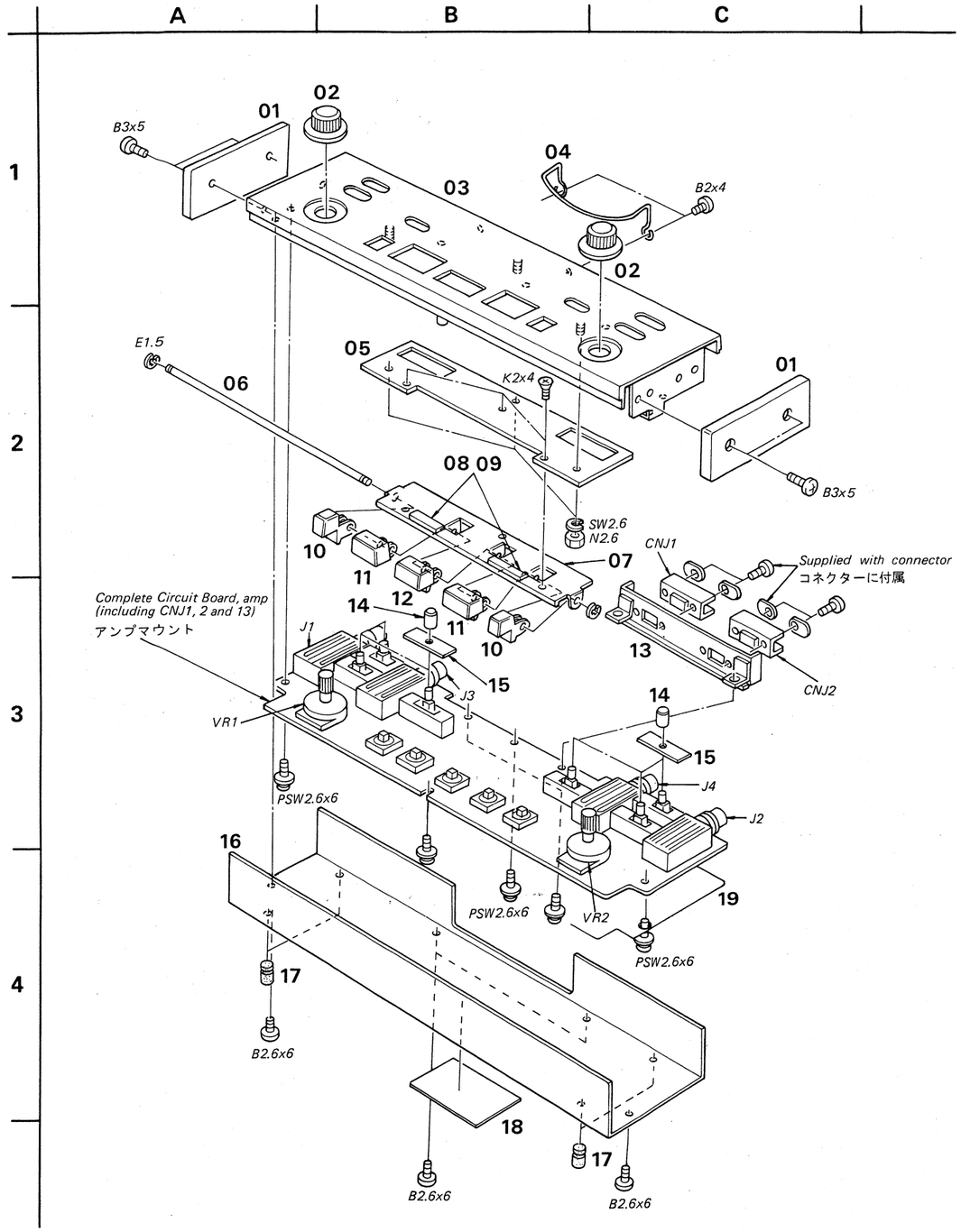
Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

⚠および▒印の部品は，安全性を維持するために，重要な部品です。従って交換時は，必ず指定の部品を使用して下さい。

SECTION 3
EXPLODED VIEW

- All screws are Phillips (cross recess) type unless otherwise noted.
  (-) = slotted head

・ねじ類で特に表示のないものは⊕を示す。



● MECHANICAL PARTS LIST
機構部品表

Note: Letters (A to Z) are applicable to Japan model only.

- Items marked "♦" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

-XX, -X：標準化部品のため，セットに付いている部品と異なる場合があります。
㊟の部品は在庫しません。

Ref. No.	Part No.	Description	品　名	価格	
♦01	3-157-710-00	Plate, side	飾り側板	Q	㊟
02	3-652-507-31	Knob, volume	ボリュームつまみ	D	
♦03	X-3157-701-0	Panel Ass'y	パネル組立	VD	㊟
♦04	3-157-724-00	Clamp, card	カードおさえ	D	㊟
♦05	3-157-713-00	Sub Chassis	サブシャーシ	Q	㊟
♦06	3-157-715-00	Spindle, button	ボタン軸	F	㊟
♦07	3-157-714-00	Bearing	ボタン軸受	Q	㊟
♦08	3-154-614-00	Window, LED	ボタン軸受窓	C	㊟
♦09	3-156-512-00	Spacer (adhesion)	スペーサ(両面粘着)	A	㊟
10	3-155-401-00	Button; 10 mm	10㎜ボタン	D	
11	3-154-620-21	Button; 24 mm	24㎜ボタン	D	
♦12	3-154-620-41	Button; 24 mm (brown)	24㎜ボタン(茶)	A	㊟
♦13	3-157-712-00	Bracket, connector	コネクター取付金具	R	㊟
14	3-548-669-00	Cap, switch	スイッチキャップ	C	
♦15	3-155-416-00	Plate, blind	切換スイッチ盲板	A	㊟
♦16	3-157-718-00	Lid, bottom	底蓋	X	㊟
17	3-701-188-XX	Foot, rubber	ゴム足	A	
♦18	3-157-701-00	Label, model number	機銘板	非売品	㊟
19	9-911-863-XX	Paper, shield	シールド紙	F	

SECTION 4
ELECTRICAL PARTS LIST

Note: Letters (A to Z) are applicable to Japan model only.

- Items marked "♦" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

・抵抗は，特殊なものだけ載せてあります。
それ以外のものは，別冊の補修用標準抵抗価格表を参照して下さい。
㊟の部品は在庫しません。

⚠および▒印の部品は，安全性を維持するために，重要な部品です。従って交換時は，必ず指定の部品を使用して下さい。

Ref. No.	Part No.	Description			
		SEMICONDUCTORS (半導体は改良のため予告なく変更することがあります。)			
		Transistors			
Q1, 2	8-729-203-04	2SK30A			D
Q3	8-765-600-00	2SC2593			H
Q4	8-729-203-04	2SK30A			D
Q5	8-765-600-00	2SC2593			H
Q6	8-729-203-04	2SK30A			D
Q7, 8	8-729-663-47	2SC1364			A
		ICs			
IC1	8-759-271-40	TA7140P			F
IC2	8-759-240-16	TC4016BP			F
IC3	8-759-271-40	TA7140P			F
IC4	8-759-140-27	μPD4027C			F
		Diodes			
D1–9	8-719-815-55	1S1555			A
D10, 11	8-719-311-20	SEL1120R			A
D12–14	8-719-815-55	1S1555			A
D15	8-719-168-07	RD6.8E-B			A
		CAPACITORS			
		All capacitors are in μF and ceramic unless otherwise noted. 50WV or less are not indicated except for electrolytics and tantalums. p : μμF, elect : electrolytic (ケミコンとタンタルを除くコンデンサーで耐圧が50V以下のものは耐圧を省略。また，単位で指示のないものはすべてμF，pは pF。指示のないコンデンサーは，すべてセラミック。)			
C1–4	1-108-244-00	0.033		mylar	A
C5, 26	1-161-013-00	0.01		ceramic (semiconductor)	A
C6, 9, 11	1-123-316-00	10	16 V	electrolytic	A
C7, 24	1-108-234-00	0.0047		mylar	A
C8, 23	1-108-228-00	0.0015		mylar	A
C10, 21	1-123-305-00	33	10 V	electrolytic	A
C12, 13, C18, 19	1-123-328-00	4.7	25 V	electrolytic	A
C14, 20, 22	1-123-316-00	10	16 V	electrolytic	A
C15, 16, C31, 36	1-123-352-00	1	50 V	electrolytic	A
C17, 27, 32	1-123-319-00	47	16 V	electrolytic	A
C25, 28, 33	1-123-316-00	10	16 V	electrolytic	A
C29, 34, C42, 43	1-107-085-00	100 p		silvered mica	A
C30, 35	1-108-792-00	0.001		mylar	A
C37–41	1-123-316-00	10	16 V	electrolytic	A
		RESISTORS			
		All resistors are in ohms. Common ¼ W carbon resistors are omitted. Refer to the list on the last page for their part numbers. (単位はすべてΩ)			
R21	⚠ 1-212-865-00	22	¼ W	fusible	A
R23, 38	⚠ 1-212-857-00	10	¼ W	fusible	A
R43, 49	⚠ 1-212-889-00	220	¼ W	fusible	A
		MISCELLANEOUS			
♦ CNJ1, 2	1-560-416-00	Connector 8-p			H ㊟
J1, 2	1-507-704-00	Jack; Headphone			C
J3, 4	1-507-705-00	Jack; Microphone			D
S1–6	1-553-484-00	Switch, slide; CHANNEL, ORIGINAL			D
S7–11	1-552-412-00	Switch, keyboard; MIC ON, COUGH CUT, OFF			B
VR1, 2	1-224-524-00	Resistor, 50 k-B; MONITOR			D
	♦A-2575-035-A	Complete Circuit Board; AMP			
	♦1-602-342-00	Printed Circuit Board; AMP			R ㊟

ACCESSORIES

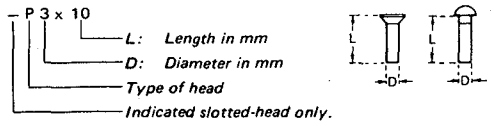
Part No.	Description	
♦ 1-555-423-00	Connecting Cord; RK-1006 (3 m)	T ㊟

1/4 WATT CARBON RESISTORS

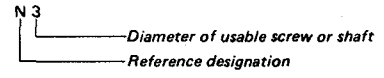
Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.
1.0	1-246-401-00	10	1-246-425-00	100	1-246-449-00	1.0k	1-246-473-00	10k	1-246-497-00	100k	1-246-521-00	1.0M	1-246-545-00
1.1	1-246-402-00	11	1-246-426-00	110	1-246-450-00	1.1k	1-246-474-00	11k	1-246-498-00	110k	1-246-522-00	1.1M	1-210-814-00
1.2	1-246-403-00	12	1-246-427-00	120	1-246-451-00	1.2k	1-246-475-00	12k	1-246-499-00	120k	1-246-523-00	1.2M	1-210-815-00
1.3	1-246-404-00	13	1-246-428-00	130	1-246-452-00	1.3k	1-246-576-00	13k	1-246-500-00	130k	1-246-524-00	1.3M	1-210-816-00
1.5	1-246-405-00	15	1-246-429-00	150	1-246-453-00	1.5k	1-246-577-00	15k	1-246-501-00	150k	1-246-525-00	1.5M	1-210-817-00
1.6	1-246-406-00	16	1-246-430-00	160	1-246-454-00	1.6k	1-246-578-00	16k	1-246-502-00	160k	1-246-526-00	1.6M	1-210-818-00
1.8	1-246-407-00	18	1-246-431-00	180	1-246-455-00	1.8k	1-246-579-00	18k	1-246-503-00	180k	1-246-527-00	1.8M	1-210-819-00
2.0	1-246-408-00	20	1-246-432-00	200	1-246-456-00	2.0k	1-246-580-00	20k	1-246-504-00	200k	1-246-528-00	2.0M	1-210-820-00
2.2	1-246-409-00	22	1-246-433-00	220	1-246-457-00	2.2k	1-246-581-00	22k	1-246-505-00	220k	1-246-529-00	2.2M	1-210-821-00
2.4	1-246-410-00	24	1-246-434-00	240	1-246-458-00	2.4k	1-246-582-00	24k	1-246-506-00	240k	1-246-530-00	2.4M	1-244-754-00
2.7	1-246-411-00	27	1-246-435-00	270	1-246-459-00	2.7k	1-246-583-00	27k	1-246-507-00	270k	1-246-531-00	2.7M	1-244-755-00
3.0	1-246-412-00	30	1-246-436-00	300	1-246-460-00	3.0k	1-246-584-00	30k	1-246-508-00	300k	1-246-532-00	3.0M	1-244-756-00
3.3	1-246-413-00	33	1-246-437-00	330	1-246-461-00	3.3k	1-246-585-00	33k	1-246-509-00	330k	1-246-533-00	3.3M	1-244-757-00
3.6	1-246-414-00	36	1-246-438-00	360	1-246-462-00	3.6k	1-246-586-00	36k	1-246-510-00	360k	1-246-534-00	3.6M	1-244-758-00
3.9	1-246-415-00	39	1-246-439-00	390	1-246-463-00	3.9k	1-246-587-00	39k	1-246-511-00	390k	1-246-535-00	3.9M	1-244-759-00
4.3	1-246-416-00	43	1-246-440-00	430	1-246-464-00	4.3k	1-246-488-00	43k	1-246-512-00	430k	1-246-536-00	4.3M	1-244-760-00
4.7	1-246-417-00	47	1-246-441-00	470	1-246-465-00	4.7k	1-246-489-00	47k	1-246-513-00	470k	1-246-537-00	4.7M	1-244-761-00
5.1	1-246-418-00	51	1-246-442-00	510	1-246-466-00	5.1k	1-246-490-00	51k	1-246-514-00	510k	1-246-538-00	5.1M	1-244-762-00
5.6	1-246-419-00	56	1-246-443-00	560	1-246-467-00	5.6k	1-246-491-00	56k	1-246-515-00	560k	1-246-539-00		
6.2	1-246-420-00	62	1-246-444-00	620	1-246-468-00	6.2k	1-246-492-00	62k	1-246-516-00	620k	1-246-540-00		
6.8	1-246-421-00	68	1-246-445-00	680	1-246-469-00	6.8k	1-246-493-00	68k	1-246-517-00	680k	1-246-541-00		
7.5	1-246-422-00	75	1-246-446-00	750	1-246-470-00	7.5k	1-246-494-00	75k	1-246-518-00	750k	1-246-542-00		
8.2	1-246-423-00	82	1-246-447-00	820	1-246-471-00	8.2k	1-246-495-00	82k	1-246-519-00	820k	1-246-543-00		
9.1	1-246-424-00	91	1-246-448-00	910	1-246-472-00	9.1k	1-246-496-00	91k	1-246-520-00	910k	1-246-544-00		

HARDWARE NOMENCLATURE

Screw:



Nut, Washer, Retaining ring:



Reference Designation	Shape	Description	Remarks
		SCREWS	
P		pan-head screw	binding-head (B) screw for replacement
PWH		pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP		pan-head screw with spring washer	binding-head (B) screw and spring washer for replacement
PSW PSPW		pan-head screw with spring and flat washers	binding-head (B) screw and spring and flat washers for replacement
R		round-head screw	binding-head (B) screw for replacement
K		flat-countersunk-head screw	
RK		oval-countersunk-head screw	
B		binding-head screw	
T		truss-head screw	binding-head (B) screw for replacement
F		flat-fillister-head screw	
RF		fillister-head screw	
BV		braizer-head screw	

Reference Designation	Shape	Description	Remarks
		SELF-TAPPING SCREWS	
TA		self-tapping screw	ex: TA, P 3 x 10
PTP		pan-head self-tapping screw	binding-head self-tapping (TA, B) screw for replacement
PTPWH		pan-head self-tapping screw with washer face	binding-head self tapping (TA, B) screw and flat washer for replacement
PTTWH		pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacement
		SET SCREWS	
SC		set screw	
SC		hexagon-socket set screw	ex: SC 2.6 x 4, hexagon socket
		NUT	
N		nut	
		WASHERS	
W		flat washer	
SW		spring washer	
LW		internal-tooth lock washer	ex: LW3, internal
LW		external-tooth lock washer	ex: LW3, external
		RETAINING RINGS	
E		retaining ring	
G		grip-type retaining ring	

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